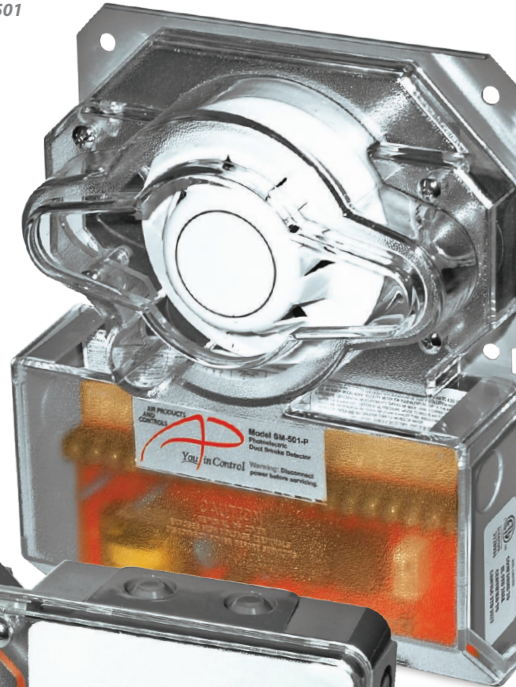
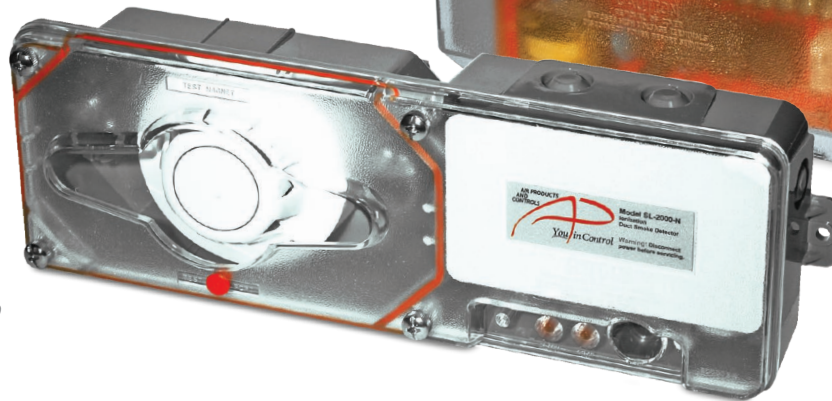




SM-501



SL-2000



# SMOKE DETECTOR

## Photoelectric & Ionization Type Smoke Detectors

The SM-501 and SL-2000 series duct smoke detectors provide early detection of smoke and products of combustion present in the ducts of any commercial, industrial, or residential application. These devices are designed for the prevention of smoke re-circulation by the air handling systems, fans, and blowers. The SM-501 and SL-2000 are designed and built to meet all local requirements, as well as the NFPA and ICC Standards regarding duct smoke detectors. Output terminals are provided for remote accessories such as horns, strobes, remote status indicators, and test/reset key switches or pushbuttons. The Ionization and Photoelectric detector heads are interchangeable. Air sampling is accomplished via two tubes that protrude into the duct. An exhaust tube with a standard length of 7" is included in the installation kit. Once the duct size is determined, a sampling tube must be ordered. Three standard sizes including a 2.5', 5', and 10' lengths can be ordered and cut to the correct size of the duct. The SM-501 and SL-2000 provides two sets of 10A Form "C" alarm contacts, along with one set of 10A form "C" trouble contacts for monitoring head removal and supply voltage failure. The green pilot and red alarm indicators provided on the front of the SM-501 signal the operating status of the device. The green pilot LED will be extinguished when the detector head is removed.

The SM-501 & SL-2000 Series are covered by ACI's Two (2) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's web site, [www.workaci.com](http://www.workaci.com).





**SPECIFICATIONS**

<b>Supply Voltage</b>	24 VAC/VDC, 115 VAC, 230 VAC
<b>Relay Outputs (Alarm)</b>	Alarm: (2) Sets form "C" relay 10A @115 VAC   SL2000 adds: 1 set form A rated at 2 Amps
<b>Relay Outputs (Trouble)</b>	Trouble: (1) form "C" relay 10A @ 115 VAC
<b>Air Velocity</b>	SM-501: 500 to 4K ft./min SL-2000: 100-4K ft./min
<b>Enclosure</b>	SM-501: 18Ga. Steel back box, clear plastic cover   SL2000: Grey plastic back box, clear plastic cover
<b>Temperature Range</b>	SM-501-N & SL-2000-N: 32 to 158°F (0 to 70°C)   SM-501-P & SL-2000-P: 32 to 140°F (0 to 60°C)
<b>Detector Head</b>	SM-501: Series 60; SL2000: Series 65
<b>Wire Size</b>	12 to 22 AWG
<b>Weight</b>	SM-501: 3.5 lbs., SL2000: 2.5lbs.
<b>Operating Relative Humidity Range</b>	10 to 85% RH, non-condensing
<b>Product Dimensions (A/SM-501)</b>	(L) 7.25" (W) 2.25" (H) 9.12"
<b>Product Dimensions (A/SL-2000)</b>	(L) 13.50" (W) 2.25" (H) 4.50"
<b>Agency Approvals</b>	CSFM, MEA, UL and CUL Listed

**ORDERING**

Please select Mounting Type (A) & Detection Head (B). If a Sampling Tube (1) is desired, please complete (1) & (2) and fill out the separate Part Number below.

<b>A</b> Mounting Type	<b>B</b> Detection Head
<input type="radio"/> SM-501	<input type="radio"/> N (Ionization Detection Head)
<input type="radio"/> SL-2000	<input type="radio"/> P (Photoelectric Detection Head)

<b>1</b> Additional Accessories	<b>2</b> Tube Length
<input type="radio"/> STS (Sampling Tube for SM-501)	<input type="radio"/> 1.0' (Sampling Tube for 6" to 1' Duct Widths)
<input type="radio"/> STN (Sampling Tube for SL-2000)	<input type="radio"/> 2.5' (Sampling Tube for 6" to 2.5' Duct Widths)
	<input type="radio"/> 5.0' (Sampling Tube for 2.5' to 5' Duct Widths)
	<input type="radio"/> 10.0' (Sampling Tube for 5' to 10' Duct Widths)

**BUILD PART NUMBER**

After completing (A) & (B) from the above table, fill in the Part Number Table below. (1) & (2) are additional accessories. An example part number is offered.

A	B
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EXAMPLE: SM-501 - N

1	2
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EXAMPLE: STN - 5.0'